

Title (en)
A keypad

Title (de)
Tastatur

Title (fr)
Clavier

Publication
EP 2821894 A1 20150107 (EN)

Application
EP 14173046 A 20140618

Priority
US 201313933781 A 20130702

Abstract (en)
A keypad (100) including a keypad housing (102,103), an array of data entry key assemblies (144,170) mounted in the keypad housing, each of the data entry key assemblies (144,170) being designated by at least two indices and including at least two mutually electrically insulated electrical contacts (162,163), each electrical contact being identified by one of the at least two indices and an electrically conductive element (144) which, when depressed, is electrically coupled to the at least two mutually electrically insulated electrical contacts (162,163) and an electrical circuit coupled to the array of data entry key assemblies, sensing a voltage state of specific ones of the at least two mutually electrically insulated electrical contacts, identified by specific ones of the indices, caused by depression of a specific electrically conductive element and indicating by the at least two indices the identity of a specific one of the data entry key assemblies which is actuated.

IPC 8 full level
G06F 3/02 (2006.01); **G07F 7/08** (2006.01)

CPC (source: EP US)
G06F 3/0202 (2013.01 - EP US); **G07F 7/0886** (2013.01 - EP US); **H01H 13/79** (2013.01 - US)

Citation (applicant)
• US 8358218 B2 20130122 - NEO RICHARD H H [SG], et al
• US 5070330 A 19911203 - WU DENNIS [TW]

Citation (search report)
• [I] US 2009184850 A1 20090723 - SCHULZ CHRISTIAN ERIC [US], et al
• [A] US 2011215938 A1 20110908 - NEO RICHARD H H [SG], et al
• [AD] US 5070330 A 19911203 - WU DENNIS [TW]
• [A] US 2011279279 A1 20111117 - MIRKAZEMI-MOUD MEHRAN [US], et al
• [A] US 2006114130 A1 20060601 - LAN TZONG-HSIANG [TW], et al

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CN105304386A; CN105304383A; EP4024256A1; FR3117301A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2821894 A1 20150107; US 2015008111 A1 20150108

DOCDB simple family (application)
EP 14173046 A 20140618; US 201313933781 A 20130702